

CLASSIFIED MESSAGE

ROUTING

DATE 1800Z 18 MAY 62

S E C R E T

1	CIDB	4	1010
2	/	5	SPB
3	/	6	MS
			RI

TO : DIRECTOR

FROM :

25X1A

ACTION: DPD (1,2,3,4,5,6,7,8,9,10)

INFO : S/C (11)

EG

TOR: 1937Z 18 MAY 62

ROUTINE

IN 37090

TO

INFO

CCE

4276

OXCART

REF:

916 (IN 35848) ^{PR-8200 T+P}

1. BASIS FOR ANY ANSWER TO REF MUST BE OUR MANUAL OF PHYSICAL PROPERTIES OF AERIAL AND SPECIAL SENSITIZED MATERIALS. SPECIFICALLY, PARA A-2 OF SECTION 3. PLEASE NOTE THAT VARIATIONS IN THICKNESS OF POLYESTER FILM BASE MAY BE UP TO PLUS OR MINUS 0.20 MIL WITH OCCASIONAL RANDOM DEPARTURES IN EXCESS OF THIS.

2. HOWEVER, IN THE TWO WEEKS ALLOWED, AN EFFORT HAS BEEN MADE TO OBTAIN DATA ON CURRENT MANUFACTURED PRODUCT. THE ACCUMULATED DATA SUBSTANTIATES OUR POSITION THAT WE CANNOT DECREASE THE ABOVE LIMITS AT THIS TIME. SPECIFICALLY, TODAY'S PRODUCT HAS A SUPPORT THICKNESS OF 2.7 MILS AND MAY VARY BY 0.05 MIL IN 10 FEET OF LENGTH OR IN 10 INCHES OF WIDTH.

3. THICKNESS DIFFERENCE FROM ONE SIDE OF SPLICE TO OTHER COULD BE AS MUCH AS 0.40 MILS. THIS WOULD BE MOST UNUSUAL AND NORMALLY WOULD BE NO MORE THAN 0.20 MILS. TO

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KEEP IT AT 0.10 MIL OR BELOW BY SELECTION WOULD INVOLVE
CONSIDERABLE WASTE AND VERY LITTLE OUTPUT TO MEET YOUR

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SCHEDULE.

4. [] COULD MEASURE AND RECORD NOMINAL THICKNESS
AT THE START AND FINISH OF EVERY ROLL SHIPPED BUT TOLERANCE
LIMITS FOR THE FORESEEABLE FUTURE WOULD STILL BE 0.20 MILS
PLUS OR MINUS AND PERHAPS SLIGHTLY MORE AS INDICATED PARA ONE.

5. OUR INABILITY TO MAINTAIN BETTER THAN TWO TEN-THOUSANDTHS OF
AN INCH VARIATION IN THICKNESS OF THE SUPPORT SHOULD NOT BE SURPRISING
WHEN IT IS CONSIDERED TO BE A NEW PRODUCT, IT IS CAST, EXTRUDED,
TENTERED AND MADE BY THE MILE.

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6. YOUR PEOPLE RAISED SIMILAR QUESTIONS EARLY IN THE PROGRAM
AND AT THAT TIME [] SUGGESTED THAT IF DEPTHS OF FOCUS WERE SO
CRITICAL, IT WOULD BE BEST TO USE THE FRONT SURFACE OF THE EMULSION
AS THE CONTROLLED PLANE RATHER THAN THE BACK OF THE BASE. WE STILL
HAVE NO BETTER SUGGESTIONS TO OFFER.

END OF MESSAGE

S E C R E T